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Overview

HPE 1810 Switch Series devices are smart-managed, fixed-configuration Gigabit Ethernet and Fast Ethernet Layer 2 switches designed for small businesses looking for key features in an easy-to-administer solution. This J9801A has 22 RJ-45 autosensing 10/100 ports plus 2 autosensing 10/100/1000 ports.

Quick Spec

Figure 1 shows the appearance of HPE J9801A.

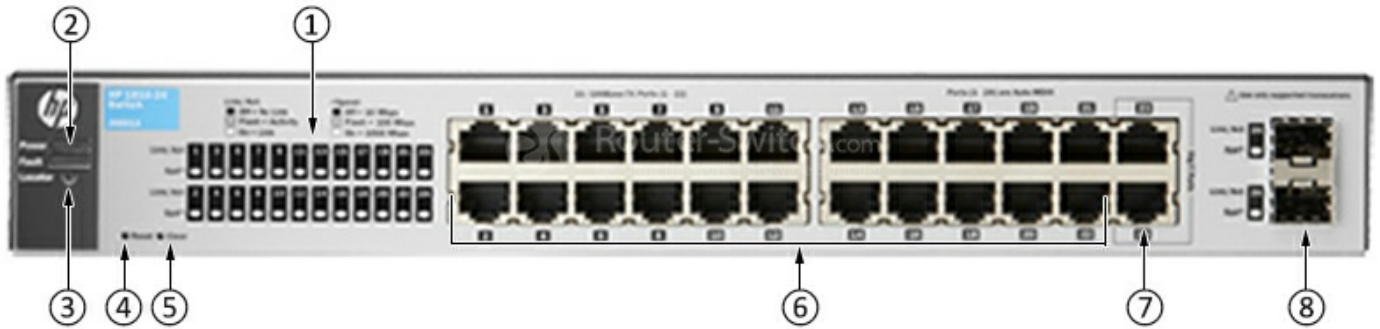


Table 1 shows the quick spec.

Product Code	J9801A
Type	HPE 1810-24 v2 Switch
Ports	22 x RJ-45 autosensing 10/100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX); Duplex: half or full 2 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 2 SFP autosensing 10/1000 ports (IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 100BASE-TX: half or full; 1000BASE-T: full only Supports a maximum of 22 autosensing 10/100 ports plus 2 autosensing 10/100/1000 ports plus 2 SFP port
Memory and processor	Up to 38.7 Mp/s
Throughput	12.4 Gb/s
Dimensions (W x D x H)	32.99 x 17.3 x 4.39 cm (12.99 x 6.81 x 1.73 in) (1U height)
Weight	1 kg (2.2 lb)

Product Details

Figure 2 shows the front panel of HPE J9801A.



Note:

(1)	Link/Act and Speed LEDs
(2)	Power and Fault LEDs
(3)	Locator LED
(4)	Reset button
(5)	Clear button
(6)	22 x 10/100BASE-TX RJ-45 ports
(7)	2 x 10/100/1000BASE-T RJ-45 port
(8)	2 x SFP slots

Compare to Similar Items

Table 2 shows the comparison.

Product Code	J9800A	J9801A
Type	HPE 1810-8 v2 Switch	HPE 1810-24 v2 Switch
Throughput	Up to 2.5 Mp/s	Up to 38.7 Mp/s
Switching capacity	3.4 Gb/s	12.4 Gb/s
Ports	7 RJ-45 autosensing 10/100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX); Duplex: half or full 1 RJ-45 autosensing 10/100/1000 port (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only Supports a maximum of 7 autosensing 10/100 ports plus 1 autosensing 10/100/1000 ports	22 RJ-45 autosensing 10/100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX); Duplex: half or full 2 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 2 SFP autosensing 100/1000 ports (IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 100BASE-TX: half or full; 1000BASE-T: full only Supports a maximum of 22 autosensing 10/100 ports plus 2 autosensing 10/100/1000 ports plus 2 SFP port

Get more information

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Specification

J9801A Specifications

Type	HPE 1810-24 v2 Switch
Dimensions (W x D x H)	32.99 x 17.3 x 4.39 cm (12.99 x 6.81 x 1.73 in) (1U height)
Weight	1 kg (2.2 lb)
Ports	22 RJ-45 autosensing 10/100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX); Duplex: half or full 2 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 2 SFP autosensing 100/1000 ports (IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 100BASE-TX: half or full; 1000BASE-T: full only Supports a maximum of 22 autosensing 10/100 ports plus 2 autosensing 10/100/1000 ports plus 2 SFP port
Memory and processor	128MB RAM, 8MB flash; packet buffer size: 512KB
Mounting	Mounts in an EIA-standard 19-inch telco rack (hardware included), horizontal surface, wall and under table mounting
100Mb latency	< 3.4 μ s (64-byte packets)
Throughput	Up to 38.7 Mp/s
Switching capacity	12.4 Gb/s
MAC address table size	8000 entries
Operating temperature	0° to 40°C (32° to 104°F)
Operating relative humidity	15% to 95% @ 40°C (104°F)
Nonoperating/storage temperature	-40° to 70°C (-40° to 158°F)
Nonoperating/storage relative humidity	15% to 95% @ 60°C (140°F)
Altitude	up to 3 km (10,000 ft)
Acoustic	Power: 0 dB no fan
Voltage	100 - 127 / 200 - 240 V ac
Current	0.4/0.3 A
Maximum power rating	22 W
Frequency	50/60 Hz
Safety	UL 60950-1; IEC 60950; EN 60950
Emissions	EN 55022 Class A; CISPR 22 Class A; VCCI V-3; FCC (CFR 47, Part 15) Subpart B Class A; VCCI V-4
Immunity	ESD: IEC 61000-4-2 Radiated: IEC 61000-4-3 EFT/Burst: IEC 61000-4-4 Surge: IEC 61000-4-5 Conducted: IEC 61000-4-6 Power frequency magnetic field: IEC 61000-4-8 Voltage dips and interruptions: IEC 61000-4-11 Harmonics: IEC 61000-3-2 Flicker: IEC 61000-3-3
Safety	UL 60950-1; IEC 60950; EN 60950

Denial of service protection	CPU DoS Protection
General protocols	IEEE 802.1p Priority IEEE 802.1Q VLANs IEEE 802.3ad Link Aggregation Control Protocol (LACP) IEEE 802.3x Flow Control RFC 1534 DHCP/BOOTP Interoperation RFC 2030 Simple Network Time Protocol (SNTP) v4
Network management	IEEE 802.1AB Link Layer Discovery Protocol (LLDP)

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